

(Absence of an entry indicates that the data were not estimated.)

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
AgC:												
Allegheny-----	0-8	Loam	ML, CL	A-4	---	0	90-100	80-100	65-100	55-95	15-35	NP-10
	8-30	Clay loam, loam, sandy clay loam	CL, ML, SC, SM	A-4, A-6	---	0	90-100	80-100	65-95	35-80	15-35	NP-15
	30-50	Clay loam, sandy loam, gravelly sandy loam	CL, GC, SM, ML	A-1, A-2, A- 4, A-6	---	0-5	65-100	55-100	35-95	20-75	15-35	NP-15
AhC:												
Allegheny-----	0-8	Loam	ML, CL	A-4	---	0	90-100	80-100	65-100	55-95	15-35	NP-10
	8-30	Clay loam, loam, sandy clay loam	SC, SM, ML, CL	A-4, A-6	---	0	90-100	80-100	65-95	35-80	15-35	NP-15
	30-50	Clay loam, sandy loam, gravelly sandy loam	CL, SM, ML, GC	A-2, A-4, A- 6, A-1	---	0-5	65-100	55-100	35-95	20-75	15-35	NP-15
Urban Land-----	0-6				---	---	---	---	---	---	---	---
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---
AsA:												
Ashton-----	0-10	Silt loam	ML	A-4	---	0	95-100	90-100	75-100	60-95	15-35	NP-10
	10-50	Silt loam, silty clay loam	CL-ML, CL	A-4, A-6, A-7	---	0	95-100	90-100	85-100	80-100	25-42	5-20
	50-65	Silt loam, loam, fine sandy loam	SM, ML, CL- ML, CL	A-4, A-6	---	0-5	90-100	85-100	65-95	40-90	15-40	NP-20
Melvin-----	---	---	---	---	---	---	---	---	---	---	---	---
AsB:												
Ashton-----	0-10	Silt loam	ML	A-4	---	0	95-100	90-100	75-100	60-95	15-35	NP-10
	10-50	Silt loam, silty clay loam	CL-ML, CL	A-4, A-6, A-7	---	0	95-100	90-100	85-100	80-100	25-42	5-20
	50-65	Silt loam, loam, fine sandy loam	CL, SM, ML, CL-ML	A-4, A-6	---	0-5	90-100	85-100	65-95	40-90	15-40	NP-20

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Melvin-----	---	---	---	---	---	---	---	---	---	---	---	---
Ca: Chagrin-----	0-8	Silt loam	ML, CL-ML, CL	A-4	---	0	95-100	85-100	80-100	70-90	20-35	2-10
	8-41	Silt loam, loam, sandy loam	SM, ML	A-2, A-4, A-6	---	0	90-100	75-100	55-90	30-80	20-40	NP-14
	41-65	Stratified silt loam to fine sand	ML, SM	A-2, A-4	---	0	85-100	75-100	50-85	15-80	20-40	NP-10
Melvin-----	---	---	---	---	---	---	---	---	---	---	---	---
Cg: Chagrin-----	0-8	Silt loam	ML, CL, CL-ML	A-4	---	0	95-100	85-100	80-100	70-90	20-35	2-10
	8-41	Silt loam, loam, sandy loam	SM, ML	A-2, A-4, A-6	---	0	90-100	75-100	55-90	30-80	20-40	NP-14
	41-65	Stratified silt loam to fine sand	SM, ML	A-2, A-4	---	0	85-100	75-100	50-85	15-80	20-40	NP-10
Melvin-----	---	---	---	---	---	---	---	---	---	---	---	---
Cm: Chagrin-----	0-8	Silt loam	ML, CL-ML, CL	A-4	---	0	95-100	85-100	80-100	70-90	20-35	2-10
	8-41	Silt loam, loam, sandy loam	SM, ML	A-2, A-4, A-6	---	0	90-100	75-100	55-90	30-80	20-40	NP-14
	41-65	Stratified silt loam to fine sand	ML, SM	A-2, A-4	---	0	85-100	75-100	50-85	15-80	20-40	NP-10
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---
Melvin-----	0-9	Silt loam	ML, CL-ML, CL	A-4	---	0	95-100	90-100	80-100	80-95	10-65	4-14
	9-27	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	95-100	90-100	80-100	80-98	25-40	5-20
	27-65	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	---	0	85-100	80-100	70-100	60-98	25-40	5-20

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
CoB: Coolville-----												
	0-8	Silt loam	ML, CL-ML, CL	A-4, A-6	---	0	95-100	90-100	80-100	70-90	18-40	4-14
	8-25	Silty clay loam	CL, ML	A-6, A-7	---	0	95-100	85-100	80-100	75-95	35-70	12-25
	25-55	Clay, silty clay, silty clay loam	CH, CL, MH	A-7	---	0-5	95-100	85-100	80-100	75-95	45-65	18-36
	55-60	Weathered bedrock			---	---	---	---	---	---	---	---
CtB: Cotaco-----												
	0-15	Silt loam	SM, SC-SM, ML, CL-ML	A-4	---	0-5	80-100	75-95	55-85	35-80	15-30	NP-7
	15-45	Gravelly sandy clay loam, clay loam, loam	CL, GC, SC, SM	A-1-b, A-2, A-4, A-6	---	0-10	60-100	50-95	40-90	20-80	15-35	NP-15
	45-65	Gravelly silt loam, clay loam, loam	SM, SC, CL, GC	A-1-b, A-2, A-4, A-6	---	0-10	60-100	50-95	40-90	20-80	15-35	NP-15
DoD: Dormont-----												
	0-6	Silt loam	CL, ML	A-4, A-6	---	0	75-100	70-100	65-95	50-90	25-65	9-15
	6-51	Channery silt loam, channery clay loam, silty clay loam	CL, ML, SC	A-4, A-6	---	0-30	75-100	70-95	60-95	45-85	25-50	9-15
	51-65	Very channery loam, channery clay loam, channery silty clay loam	SC, ML, GC, CL	A-4, A-6, A-7	---	10-40	65-100	60-95	55-95	40-85	25-70	9-25
GlC: Gilpin-----												
	0-9	Silt loam	CL, CL-ML	A-4, A-6	---	0-5	80-95	75-90	70-85	65-80	20-40	4-15
	9-14	Channery loam, shaly silt loam, silty clay loam	SC, GC, CL- ML, CL	A-2, A-4, A-6	---	0-30	50-95	45-90	35-85	30-80	20-40	4-15
	14-38	Channery loam, very channery silt loam, very shaly silty clay loam	GC-GM, GC	A-1, A-2, A- 4, A-6	---	0-35	25-55	20-50	15-45	15-40	20-40	4-15
	38-42	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
G1D: Gilpin-----	0-9	Silt loam	CL, CL-ML	A-4, A-6	---	0-5	80-95	75-90	70-85	65-80	20-40	4-15
	9-14	Channery loam, shaly silt loam, silty clay loam	CL, CL-ML, GC, SC	A-2, A-4, A-6	---	0-30	50-95	45-90	35-85	30-80	20-40	4-15
	14-38	Channery loam, very channery silt loam, very shaly silty clay loam	GC, GC-GM	A-1, A-2, A- 4, A-6	---	0-35	25-55	20-50	15-45	15-40	20-40	4-15
	38-42	Unweathered bedrock			---	---	---	---	---	---	---	---
	G1E: Gilpin-----	0-9	Silt loam	CL, CL-ML	A-4, A-6	---	0-5	80-95	75-90	70-85	65-80	20-40
9-14		Channery loam, shaly silt loam, silty clay loam	GC, CL-ML, CL, SC	A-2, A-4, A-6	---	0-30	50-95	45-90	35-85	30-80	20-40	4-15
14-38		Channery loam, very channery silt loam, very shaly silty clay loam	GC-GM, GC	A-1, A-2, A- 4, A-6	---	0-35	25-55	20-50	15-45	15-40	20-40	4-15
38-42		Unweathered bedrock			---	---	---	---	---	---	---	---
GpF: Gilpin-----		0-8	Very stony silt loam	CL, CL-ML, GC, SC	A-2, A-4, A-6	---	10-40	50-90	45-85	35-75	30-70	20-40
	8-14	Shaly silt loam, channery loam, silty clay loam	SC, GC-GM, CL-ML, CL	A-6, A-2, A-4	---	0-30	50-95	45-90	35-85	30-80	20-40	4-15
	14-38	Channery loam, very channery silt loam, very shaly silty clay loam	GC, GC-GM	A-1, A-2, A- 4, A-6	---	0-35	25-55	20-50	15-45	15-40	20-40	4-15
	38-42	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Upshur-----	0-5	Silty clay loam	ML, CL	A-6, A-7	---	0	95-100	95-100	90-100	80-95	35-70	11-25
	5-29	Silty clay, clay	MH, CL, CH	A-7	---	0	95-100	95-100	90-100	85-100	45-80	20-40
	29-43	Silty clay loam, silty clay, clay	MH, CL, CH, ML	A-6, A-7	---	0	80-100	65-100	60-100	55-95	35-55	11-25
	43-47	Weathered bedrock			---	---	---	---	---	---	---	---
GuE3: Gilpin-----	0-9	Silt loam	CL-ML, CL	A-4, A-6	---	0-5	80-95	75-90	70-85	65-80	20-40	4-15
	9-14	Channery loam, shaly silt loam, silty clay loam	GC, CL-ML, CL, SC	A-2, A-4, A-6	---	0-30	50-95	45-90	35-85	30-80	20-40	4-15
	14-38	Channery loam, very channery silt loam, very shaly silty clay loam	GC-GM, GC	A-1, A-2, A- 4, A-6	---	0-35	25-55	20-50	15-45	15-40	20-40	4-15
	38-42	Unweathered bedrock			---	---	---	---	---	---	---	---
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---
Upshur-----	0-5	Silty clay	ML, MH, CL	A-7	---	0	95-100	95-100	90-100	80-100	35-75	15-30
	5-29	Silty clay, clay	MH, CL, CH	A-7	---	0	95-100	95-100	90-100	85-100	45-75	20-40
	29-43	Silty clay loam, silty clay, clay	CH, CL, MH, ML	A-6, A-7	---	0	80-100	65-100	60-100	55-95	35-55	11-25
	43-47	Weathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Upshur-----	0-5	Silty clay loam	CL, ML	A-6, A-7	---	0	95-100	95-100	90-100	80-95	35-70	11-25
	5-29	Silty clay, clay	MH, CL, CH	A-7	---	0	95-100	95-100	90-100	85-100	45-80	20-40
	29-43	Silty clay loam, silty clay, clay	CH, CL, MH, ML	A-6, A-7	---	0	80-100	65-100	60-100	55-95	35-55	11-25
	43-47	Weathered bedrock			---	---	---	---	---	---	---	---
Gy:												
Guyan-----	0-9	Silt loam	CL-ML, ML	A-4	---	0	95-100	95-100	95-100	65-80	20-55	5-10
	9-65	Loam, clay loam, silty clay loam	ML, CL	A-4, A-6	---	0	85-100	85-100	80-100	70-95	25-65	8-17
Purdy-----	---	---	---	---	---	---	---	---	---	---	---	---
Gz:												
Guyan-----	0-9	Silt loam	CL-ML, ML	A-4	---	0	95-100	95-100	95-100	65-80	20-60	5-10
	9-65	Loam, clay loam, silty clay loam	ML, CL	A-4, A-6	---	0	85-100	85-100	80-100	70-95	25-60	8-17
Urban Land-----	0-6				---	---	---	---	---	---	---	---
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---
Hu:												
Huntington-----	0-14	Silt loam	CL, CL-ML, ML	A-4, A-6	---	0	95-100	95-100	85-100	60-95	10-50	5-15
	14-65	Silt loam, silty clay loam	CL, CL-ML, ML	A-4, A-6	---	0	95-100	95-100	85-100	60-95	10-60	5-15
Melvin-----	---	---	---	---	---	---	---	---	---	---	---	---
KaA:												
Kanawha-----	0-11	Loam	ML, CL-ML, CL	A-4	---	0	80-100	75-100	65-100	50-90	20-35	2-10
	11-65	Loam, sandy clay loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6	---	0	80-100	75-100	60-100	25-80	20-40	3-15
KaB:												
Kanawha-----	0-11	Loam	ML, CL-ML, CL	A-4	---	0	80-100	75-100	65-100	50-90	20-35	2-10
	11-65	Loam, sandy clay loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6	---	0	80-100	75-100	60-100	25-80	20-40	3-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
KnA: Kanawha-----	0-11	Loam	CL-ML, CL, ML	A-4	---	0	80-100	75-100	65-100	50-90	20-35	2-10
	11-65	Loam, sandy clay loam, clay loam	SM, SC, ML, CL	A-2, A-4, A-6	---	0	80-100	75-100	60-100	25-80	20-40	3-15
KnB: Kanawha-----	0-11	Loam	ML, CL-ML, CL	A-4	---	0	80-100	75-100	65-100	50-90	20-35	2-10
	11-65	Loam, sandy clay loam, clay loam	SM, SC, ML, CL	A-2, A-4, A-6	---	0	80-100	75-100	60-100	25-80	20-40	3-15
KuB: Kanawha-----	0-11	Loam	ML, CL-ML, CL	A-4	---	0	80-100	75-100	65-100	50-90	20-35	2-10
	11-72	Loam, sandy clay loam, clay loam	CL, ML, SC, SM	A-2, A-4, A-6	---	0	80-100	75-100	60-100	25-80	20-40	3-15
Urban Land-----	0-6				---	---	---	---	---	---	---	---
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---
LaC: Lakin-----	0-10	Loamy sand	SC-SM, SM	A-2	---	0	95-100	95-100	95-100	10-35	15-30	NP-7
	10-50	Loamy sand, fine sand, loamy fine sand	SC-SM, SM	A-2, A-3	---	0	95-100	95-100	90-100	5-35	15-30	NP-7
	50-65	Sand, sandy loam, gravelly sand	SC-SM, SM, SP-SM, GM	A-1, A-2, A-3	---	0	40-100	35-100	20-80	5-25	15-30	NP-7
LlD: Lily-----	0-10	Sandy loam	SM	A-2, A-4	---	0-5	90-100	85-100	55-80	25-50	15-20	NP-4
	10-30	Clay loam, sandy clay loam, loam	SM, SC, ML, CL	A-4, A-6	---	0-5	90-100	85-100	75-100	40-80	15-35	3-15
	30-38	Sandy clay loam, clay loam, gravelly sandy clay loam	ML, SC, CL, SM	A-1-b, A-2, A-4, A-6	---	0-10	65-100	50-100	40-95	20-75	15-35	3-15
	38-42	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
LLE:												
Lily-----	0-10	Sandy loam	SM	A-2, A-4	---	0-5	90-100	85-100	55-80	25-50	15-20	NP-4
	10-30	Clay loam, sandy clay loam, loam	SM, SC, ML, CL	A-4, A-6	---	0-5	90-100	85-100	75-100	40-80	15-35	3-15
	30-38	Sandy clay loam, clay loam, gravelly sandy clay loam	CL, ML, SC, SM	A-1-b, A-2, A-4, A-6	---	0-10	65-100	50-100	40-95	20-75	15-35	3-15
	38-42	Unweathered bedrock			---	---	---	---	---	---	---	---
Lm:												
Lindside-----	0-11	Silt loam	CL, CL-ML, ML	A-4, A-6	---	0	100	95-100	80-100	55-90	20-35	2-15
	11-35	Silty clay loam, silt loam, very fine sandy loam	ML, CL-ML, CL	A-4, A-6	---	0	100	95-100	90-100	70-95	10-60	4-18
	35-65	Stratified silty clay loam to gravelly sandy loam	CL, ML, SC, SM	A-2, A-4, A-6	---	0	60-100	55-100	45-100	30-95	20-60	4-18
Melvin-----	---	---	---	---	---	---	---	---	---	---	---	---
Lo:												
Lobdell-----	0-5	Silt loam	CL, CL-ML, ML	A-4	---	0	95-100	90-100	80-100	65-90	20-30	NP-8
	5-35	Loam, silt loam	ML	A-4	---	0	90-100	80-100	70-95	55-85	20-35	NP-10
	35-65	Stratified sandy loam to silt loam	ML, SM, CL, CL-ML	A-4	---	0	90-100	80-100	65-85	40-80	15-35	NP-10
Melvin-----	---	---	---	---	---	---	---	---	---	---	---	---
MaB:												
Markland-----	0-6	Silt loam	CL-ML, CL	A-4, A-6	---	0	100	100	90-100	70-90	25-35	5-15
	6-34	Silty clay, clay, silty clay loam	CL, CH	A-7	---	0	100	100	95-100	90-95	45-60	19-32
	34-65	Stratified clay to silty clay loam	MH, ML, CL, CH	A-7	---	0	100	100	90-100	75-95	40-55	15-25

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
MaC:												
Markland-----	0-6	Silt loam	CL-ML, CL	A-4, A-6	---	0	100	100	90-100	70-90	25-35	5-15
	6-34	Silty clay, clay, silty clay loam	CL, CH	A-7	---	0	100	100	95-100	90-95	45-60	19-32
	34-65	Stratified clay to silty clay loam	ML, MH, CL, CH	A-7	---	0	100	100	90-100	75-95	40-55	15-25
Me:												
Melvin-----	0-9	Silt loam	CL, CL-ML, ML	A-4	---	0	95-100	90-100	80-100	80-95	12-35	4-10
	9-27	Silt loam, silty clay loam	CL, CL-ML	A-4, A-6	---	0	95-100	90-100	80-100	80-98	25-40	5-20
	27-65	Silt loam, silty clay loam, loam	CL, CL-ML	A-4, A-6	---	0	85-100	80-100	70-100	60-98	25-40	5-20
MoB:												
Monongahela----	0-6	Loam	SC-SM, ML, SM, CL-ML	A-4	---	0-5	90-100	85-100	75-100	45-90	20-35	1-10
	6-23	Silt loam, clay loam, gravelly loam	ML, CL, CL-ML	A-4, A-6	---	0-15	90-100	80-100	75-100	70-90	20-60	5-15
	23-56	Silt loam, sandy clay loam, gravelly loam	SM, SC, ML, CL	A-4, A-6	---	0-10	80-100	60-100	55-95	45-95	20-40	3-15
	56-65	Silt loam, clay loam, gravelly sandy loam	SC, ML, CL, SM	A-4, A-6	---	10-20	75-100	60-90	60-85	40-85	20-40	1-15
MoC:												
Monongahela----	0-6	Loam	SM, SC-SM, ML, CL-ML	A-4	---	0-5	90-100	85-100	75-100	45-90	20-35	1-10
	6-23	Silt loam, clay loam, gravelly loam	CL, CL-ML, ML	A-4, A-6	---	0-15	90-100	80-100	75-100	70-90	20-60	5-15
	23-56	Silt loam, sandy clay loam, gravelly loam	SM, SC, ML, CL	A-4, A-6	---	0-10	80-100	60-100	55-95	45-95	20-40	3-15
	56-65	Silt loam, clay loam, gravelly sandy loam	CL, ML, SC, SM	A-4, A-6	---	10-20	75-100	60-90	60-85	40-85	20-40	1-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
MuC:												
Monongahela-----	0-6	Loam	SM, SC-SM, ML, CL-ML	A-4	---	0-5	90-100	85-100	75-100	45-90	20-35	1-10
	6-23	Silt loam, clay loam, gravelly loam	CL, CL-ML, ML	A-4, A-6	---	0-15	90-100	80-100	75-100	70-90	20-60	5-15
	23-56	Silt loam, sandy clay loam, gravelly loam	CL, SC, SM, ML	A-4, A-6	---	0-10	80-100	60-100	55-95	45-95	20-40	3-15
	56-65	Silt loam, clay loam, gravelly sandy loam	CL, ML, SC, SM	A-4, A-6	---	10-20	75-100	60-90	60-85	40-85	20-40	1-15
Urban Land-----	0-6				---	---	---	---	---	---	---	---
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---
Po:												
Pope-----	0-8	Fine sandy loam	CL-ML, ML, SM, SC-SM	A-2, A-4	---	0	85-100	75-100	51-85	25-55	15-20	NP-5
	8-46	Fine sandy loam, sandy loam, loam	SM, SC-SM, ML, CL-ML	A-2, A-4	---	0	95-100	80-100	51-95	25-75	15-30	NP-7
	46-65	Sandy loam, loamy sand	SM, SC-SM, ML, GM	A-1, A-2, A-4	---	0-20	45-100	35-100	30-95	15-70	15-30	NP-7
Atkins-----	---	---	---	---	---	---	---	---	---	---	---	---
SoA:												
Sensabaugh-----	0-6	Loam	CL, ML, CL-ML	A-4	---	0-5	90-100	75-95	65-85	55-75	16-29	3-9
	6-20	Gravelly loam, gravelly clay loam, gravelly silty clay loam	CL-ML, CL, GC, SC-SM	A-4, A-6	---	2-18	70-95	55-90	45-75	35-65	20-35	5-14
	20-30	Gravelly loam, gravelly clay loam, gravelly silty clay loam	GC-GM, SC, SC-SM, GC	A-4, A-6	---	5-25	70-90	55-75	45-65	35-55	22-36	6-15
	30-65	Gravelly loam, gravelly clay loam, gravelly fine sandy loam	SC, GC-GM, SC-SM, GC	A-2, A-4, A-6	---	5-30	55-90	25-75	25-65	20-55	20-36	6-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
SrB:												
Sensabaugh-----	0-6	Loam	CL-ML, ML, CL	A-4	---	0-5	90-100	75-95	65-85	55-75	16-29	3-9
	6-20	Gravelly loam, gravelly clay loam, gravelly silty clay loam	CL, CL-ML, GC, SC-SM	A-4, A-6	---	2-18	70-95	55-90	45-75	35-65	20-35	5-14
	20-30	Gravelly loam, gravelly clay loam, gravelly silty clay loam	GC, GC-GM, SC, SC-SM	A-4, A-6	---	5-25	70-90	55-75	45-65	35-55	22-36	6-15
	30-65	Gravelly loam, gravelly clay loam, gravelly fine sandy loam	GC, GC-GM, SC, SC-SM	A-2, A-4, A-6	---	5-30	55-90	25-75	25-65	20-55	20-36	6-15
SvC:												
Urban Land-----	0-6				---	---	---	---	---	---	---	---
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---
Sensabaugh-----	0-6	Loam	ML, CL, CL-ML	A-4	---	0-5	90-100	75-95	65-85	55-75	16-29	3-9
	6-20	Gravelly loam, gravelly clay loam, gravelly silty clay loam	CL, CL-ML, GC, SC-SM	A-4, A-6	---	2-18	70-95	55-90	45-75	35-65	20-35	5-14
	20-30	Gravelly loam, gravelly clay loam, gravelly silty clay loam	SC, GC, SC- SM, GC-GM	A-4, A-6	---	5-25	70-90	55-75	45-65	35-55	22-36	6-15
	30-65	Gravelly loam, gravelly clay loam, gravelly fine sandy loam	GC, GC-GM, SC, SC-SM	A-2, A-4, A-6	---	5-30	55-90	25-75	25-65	20-55	20-36	6-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Vandalia-----	0-7	Silt loam	ML, CL	A-4, A-6, A-7	---	0-5	80-100	75-100	70-95	50-90	10-60	5-20
	7-41	Silty clay loam, channery	ML, CL, CH	A-6, A-7	---	0-5	75-100	70-95	65-90	60-85	35-70	15-30
		silty clay, clay										
	41-65	Silty clay, clay, channery silty clay loam	ML, MH, CL, CH	A-6, A-7	---	0-5	70-100	65-100	60-100	55-100	30-70	10-30
Ud:												
Udorthents-----	---	---	---	---	---	---	---	---	---	---	---	---
UpC:												
Upshur-----	0-5	Silty clay loam	ML, CL	A-6, A-7	---	0	95-100	95-100	90-100	80-95	35-65	11-25
	5-29	Silty clay, clay	MH, CL, CH	A-7	---	0	95-100	95-100	90-100	85-100	45-75	20-40
	29-43	Silty clay loam, silty clay, clay	CL, CH, MH, ML	A-6, A-7	---	0	80-100	65-100	60-100	55-95	35-55	11-25
	43-47	Weathered bedrock			---	---	---	---	---	---	---	---
Ur:												
Urban Land-----	0-6				---	---	---	---	---	---	---	---
Us:												
Urban Land-----	0-6				---	---	---	---	---	---	---	---
Ashton-----	0-10	Silt loam	ML	A-4	---	0	95-100	90-100	75-100	60-95	15-35	NP-10
	10-50	Silt loam, silty clay loam	CL-ML, CL	A-4, A-6, A-7	---	0	95-100	90-100	85-100	80-100	25-42	5-20
	50-65	Silt loam, loam, fine sandy loam	CL, CL-ML, ML, SM	A-4, A-6	---	0-5	90-100	85-100	65-95	40-90	15-40	NP-20

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Lindside-----	0-11	Silt loam	CL, ML, CL-ML	A-4, A-6	---	0	100	95-100	80-100	55-90	20-35	2-15
	11-35	Silty clay loam, silt loam, very fine sandy loam	ML, CL-ML, CL	A-4, A-6	---	0	100	95-100	90-100	70-95	10-60	4-18
	35-65	Stratified silty clay loam to gravelly sandy loam	CL, ML, SC, SM	A-2, A-4, A-6	---	0	60-100	55-100	45-100	30-95	20-60	4-18
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---
UwB: Urban Land-----	0-6				---	---	---	---	---	---	---	---
Wheeling-----	0-9	Loam	SM, SC, ML, CL	A-4	---	0	90-100	90-100	85-100	45-90	15-35	NP-10
	9-43	Silty clay loam, loam, gravelly sandy loam	CL, ML, SC, SM	A-4, A-6	---	0-5	90-100	70-100	65-100	45-80	20-40	2-20
	43-65	Stratified very fine sand to very gravelly sand	SM, GW, GP, GM	A-1, A-2, A- 3, A-4	---	10-20	35-90	20-75	10-65	4-45	15-20	NP-10
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---
VaD: Vandalia-----	0-7	Silt loam	ML, CL	A-4, A-6, A-7	---	0-5	80-100	75-100	70-95	50-90	10-60	5-20
	7-41	Silty clay loam, channery silty clay, clay	ML, CL, CH	A-6, A-7	---	0-5	75-100	70-95	65-90	60-85	35-70	15-30
	41-65	Silty clay, clay, channery silty clay loam	ML, MH, CL, CH	A-6, A-7	---	0-5	70-100	65-100	60-100	55-100	30-65	10-30
VuD: Urban Land-----	0-6				---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Vandalia-----	0-7	Silt loam	ML, CL	A-4, A-6, A-7	---	0-5	80-100	75-100	70-95	50-90	10-65	5-20
	7-41	Silty clay loam, channery	CL, ML, CH	A-6, A-7	---	0-5	75-100	70-95	65-90	60-85	35-70	15-30
	41-65	Silty clay, clay, channery silty clay loam	ML, MH, CL, CH	A-6, A-7	---	0-5	70-100	65-100	60-100	55-100	30-65	10-30
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---
W: Water-----	---	---	---	---	---	---	---	---	---	---	---	---
WhB: Wheeling-----	0-9	Loam	SM, SC, ML, CL	A-4	---	0	90-100	90-100	85-100	45-90	15-35	NP-10
	9-43	Silty clay loam, loam, gravelly sandy loam	SM, SC, ML, CL	A-4, A-6	---	0-5	90-100	70-100	65-100	45-80	20-40	2-20
	43-65	Stratified very fine sand to very gravelly sand	SM, GW, GP, GM	A-1, A-2, A- 3, A-4	---	10-20	35-90	20-75	10-65	4-45	15-20	NP-10